

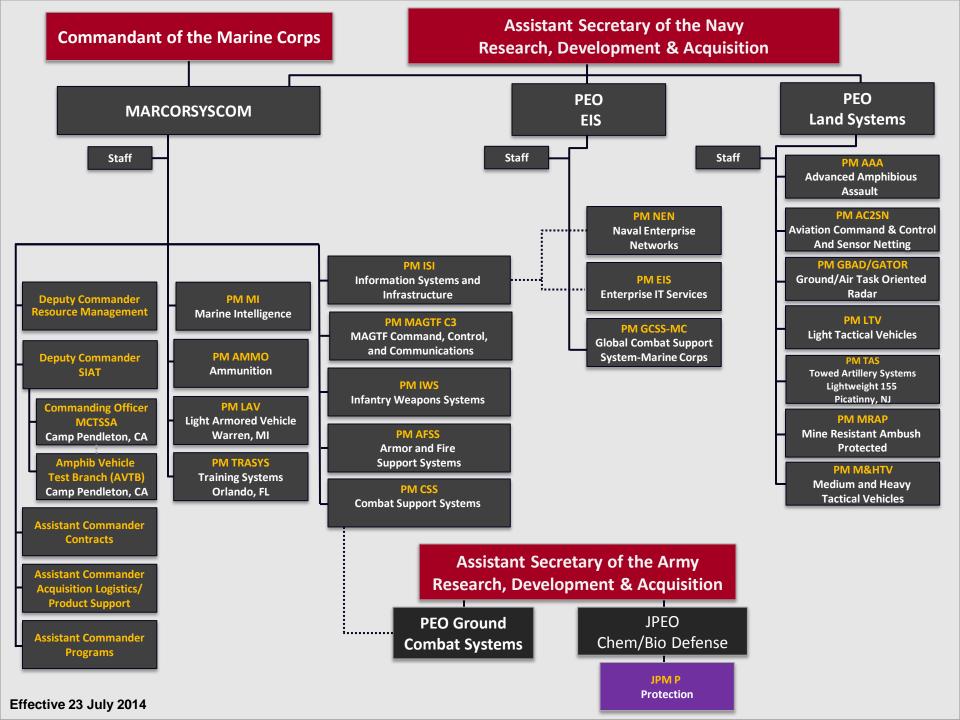
Modern Day Marine Report to Industry

25 September 2014



To serve as the Department of the Navy's systems command for Marine Corps ground weapon and information technology system programs in order to equip and sustain Marine forces with full-spectrum, current and future expeditionary and crisis response capabilities.

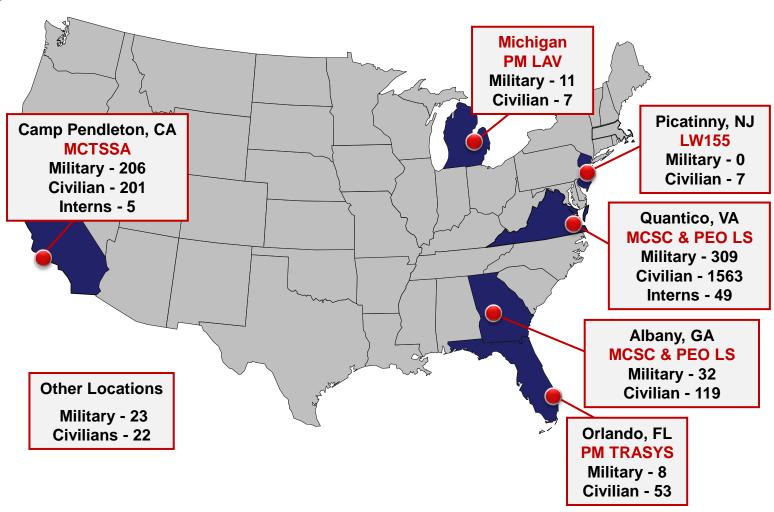




MARINE CORPS SYSTEMS COMMAND

HOME OF THE MARINE CORPS ACQUISITION PROFESSIONAL

Workforce Locations As of 22 Sep 2014



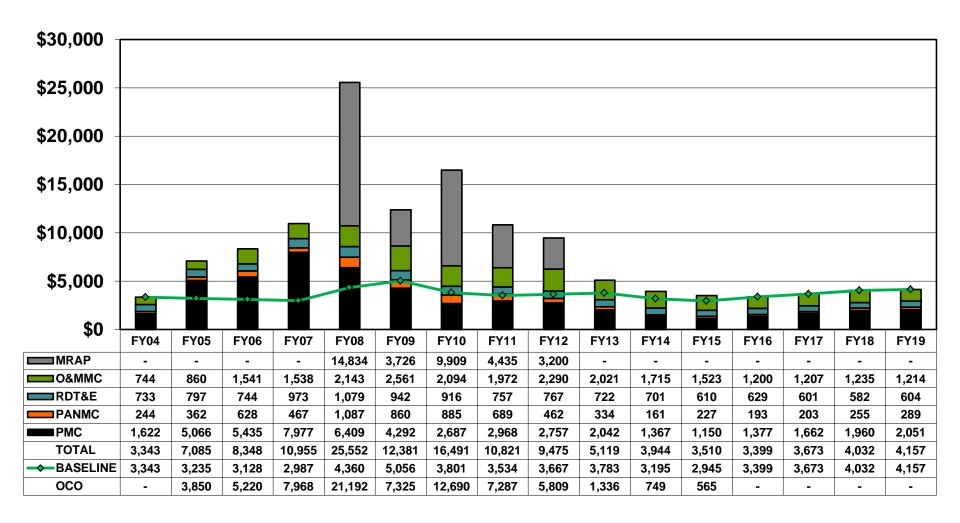
Command Onboard Workforce Total: 2614

589 Military (23%) - Includes 20 Reservists 2025 Civilian (77%) - Includes 54 Interns



MARINE CORPS SYSTEMS COMMAND HOME OF THE MARINE CORPS ACQUISITION PROFESSIONAL

Total MCSC Budget Funding (\$M) FY04-19



INFORMATION SYSTEMS AND INFRASTRUCTURE (ISI)



Information Systems and Infrastructure provides acquisition and sustainment of systems, applications and infrastructure to meet the needs of the Marine Corps. Within its realm, PM ISI focuses on Information Technology (IT) Strategic Sourcing, Marine Corps Network and Infrastructure Services, Total Force IT Systems, Marine Corps Enterprise Services, and Emergency Response Systems.

Product Managers:

PMM 110.1 Emergency Response Systems (ERS)

PMM 110.2 Information Technology Strategic Sourcing (ITSS)

PMM 110.3 Marine Corps Enterprise Information Tech Services (MCEITS)

PMM 110.4 Marine Corps Network and Infrastructure Services (MCNIS)

PMM 110.5 Total Force Information Technology Systems (TFITS)

PMM-110, ISI Major Efforts

ITSS DoD Enterprise Software License Effort (ESL) (TBD)

► Support DoD CIO in support of the DoD-wide software license inventory, reporting and audit requirements specified in the FY2014 NDAA, Section 935 for software license optimization and reduction of software procurement costs.

ITSS DON ESL (TBD)

- ➤ Support the DON Enterprise Software License (ESL) efforts to deliver higher volume, lower cost-per-unit sustainment of DON software maintenance agreements.
- ➤ Support Marine Corps Software License Management System (MCSELMS) to deliver higher volume, lower cost-per-unit sustainment of Marine Corps software maintenance agreements in concert with the DoD Better Buying Initiative and the DON ESL effort to provide better value for the government.

ITSS Strategic Sourcing Initiatives (TBD)

Support DOD and DON IT Strategic Sourcing Initiatives through consolidated IT procurements.

ERS Acquisition Support (FY17)

ERS Base Telephone Infrastructure (BTI) (TBD)

- ► Support for new installation telecommunications facilities (French Creek, CLNC; 33 Area, CPEN).
- ► Voice and bandwidth modernization program (MCB Hawaii, MCAS Beaufort, MCB Quantico).

ERS Consolidated Emergency Response Systems (CERS) (FY16)

Electronic Mass Notification System (eMNS).

TFITS (FY16)

Program management, engineering, and logistics product support.

PMM-110, ISI Potential Opportunities

Marine Corps Network and Infrastructure Services (MCNIS)

The Marine Corps Enterprise Network (MCEN) is a Government Owned Government Operated Model (GOGO), and the Marine Corps is responsible for the procurement, engineering, and sustainment of the garrison MCEN.

- Unification of legacy networks (FY17)
- ► MCNIS Cyber Defense technologies (Hardware and Software) (FY17)
- ► Enterprise Technology Refresh (Hardware and Software) (FY16)
- New tools and processes (Hardware and Software) for IT Services Management and GOGO network operations (FY16 -)

Marine Corps Enterprise Information Technology Services (MCEITS)

MCEITS will turn its focus to acquiring a Development Environment. Additional opportunities include:

- ► Provide remote access from secure and accredited sites (FY16)
- ▶ Provide operations and engineering to sustain MCEITS baselines (technical, security, Information Technology Infrastructure Library (ITIL) process) (FY16)
- Provide operations and engineering to host USMC Enterprise applications (TBD)
- ► Provider operations and engineering to meet application service level agreements (TBD)
- Provide common environment, tools and operations support for MCEITS hosted applications (TBD)

MARINE AIR GROUND TASK FORCE (MAGTF) COMMAND, CONTROL, COMMUNICATIONS (MC3)



Marine Air Ground Task Force (MAGTF) Command, Control, Communications (PM MC3) provides the warfighter a full spectrum of equipment and systems to sustain current and future expeditionary and crisis response capabilities in the areas of: Digital Fires/Situational Awareness; Force Protection Systems; MAGTF Command & Control Systems; Networking & Satellite Communications Systems; Radar Systems; and Tactical Communication Systems.

Product Managers:

PMM 111.1 Digital Fires Situational Awareness

PMM 111.2 Force Protection Systems

PMM 111.3 MAGTF Command and Control Systems

PMM 111.4 Networking and Satellite Communications

PMM 111.5 Radar Systems (Legacy)

PMM 111.6 Tactical Communications Systems

PMM-111, MC3 Major Efforts

USMC CREW Systems (continuous)

Performance Improvements for legacy systems

Very Small Aperture Terminal (VSAT) (continuous)

April 2015-Mar 2016 Fielding of the VSAT-L Ka and X-Band Upgrade Kits

Expeditionary Command and Control Suite (ECCS) (continuous)

► FY14-FY15 Fielding of Rapid Response Kit (RRK) and Consolidated Base Station (CBS)

Tactical Data Network Data Distribution System-Modular (TDN DDS-M) (continuous)

- ► FY14-FY15 Fielding Expansion Kits
- ► FY15-FY17 Routers, Servers, Switches and Crypto Refresh

Tactical Voice Switching System (TVSS) (continuous)

► FY15-FY16 Fielding of Voice Over Internet Protocol (VoIP)

Combat Operations Center (continuous)

► (V)2-3-4 : Complete H/W refresh and "right sizing" the COC AAO to more closely align with OpFor requirements, further reducing operating and sustainment costs

MAGTF C2 Systems & Applications (continuous)

► TSOA: Continue transition to service oriented infrastructure

TPS-59 Mode V Update (continuous)

Updates IFF system on AN/TPS-59

PMM-111, MC3 Potential Opportunities

- ► TSOA: Rapid Response and Integration (R2I) (FY15/16)
- COC Sustainment (FY16)
- NOTM Lightweight X-Band Satellite Antenna (FY16)
- ► NOTM Long-range terrestrial wideband Antenna (FY16)
- JBC-P Inc 2 End User Devices (FY16)
- VSAT External Antenna (FY16)
- Systems Planning, Engineering, and Evaluation Device (SPEED) Development,
 Maintenance and Training (FY16)
- Handheld Solution (FY17)

MARINE INTELLIGENCE (MI)



Manager Marine Intelligence (PM MI) expeditiously provides the Marine Corps' Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE) integrated capabilities required by the Marine warfighter and Marine Air-Ground Task Force intelligence units. PMMI provides systems for the collection, analysis, utilization and dissemination of signals, human and geospatial intelligence and other forms of intelligence-related information.

Product Managers:

PMM 112.1 Persistent – Intelligence Surveillance Reconnaissance PMM 112.2 Distributed Common Ground System – Marine Corps

Counter Intelligence and Human Intelligence Equip. Program (CIHEP) (FY15)

Refresh Surveillance Communication Set

Communication Emitter Sensing and Attacking System (CESAS) (FY15)

Next generation CESAS capability

Tactical SIGINT Collection System (TSCS) (FY17)

- Refresh Special Purpose Receiver to avoid obsolescence
- Pace emerging threat

Tactical Exploitation Group (TEG) (FY15)

Refresh workstations to avoid obsolescence

Technical Control and Analysis Center (TCAC) (FY15 and FY16)

- Refresh servers and workstations to avoid obsolescence
- Pace emerging threat
- Pursue Cross Domain Solution

Intelligence Analysis System (IAS) (FY17 and FY19)

- Refresh workstations and servers
- ► Reduce size, weight, and power consumption

PMM-112, MI Potential Opportunities

- Communicating Emitter Sensing and Attacking System (FY15)
- CIHEP Surveillance Communication Set (FY15)
- TEG-RWS Hardware Refresh (FY15)
- DCGS VIP-MC Hardware (FY15)
- ► TCAC RAWS Server (FY15)
- CIHEP Technical Surveillance Countermeasures Equip (FY16)
- DCGS-EDS Hardware Peripherals (FY16)
- TCAC TWS Laptop (FY16)
- CIHEP Advanced Imagery Module (FY17)
- ► IAS TIER III Workstations (FY17)
- ► TCAC Hardware Peripherals (FY17)
- RREP Special Purpose Receiver (FY17)
- DCGS-Topographic Production Capability Hardware (FY19)
- ► IAS TIER I Servers (FY19)
- **▶ DCGS-Topographic Production Capability Hardware (FY19)**
- DCGS EDS Servers (FY20)

INFANTRY WEAPONS SYSTEMS (IWS)



Infantry Weapons Systems equips and sustains the Marine Corps with fully integrated infantry weapons and related systems. IWS identifies and manages the resources necessary for the acquisition of required capabilities and develops, tests and fields weapons and equipment that are operationally effective and suitable to meet the needs of our primary customer, the Marine.

Product Managers:

PMM 113.1 Anti-Armor Systems

PMM 113.2 Infantry Combat Equipment

PMM 113.3 Infantry Weapons

PMM 113.5 Optics and Non-Lethal Systems

PMM 113.6 Reconnaissance and Amphibious Raids

Major Efforts

- ► SMAW MOD 2
- Squad Thermal System
- Sniper Range Finder
- Mission Payload Module Non-Lethal Weapons System
- Ocular Interruption
- Diver Reconnaissance Vehicle
- Light Weight Tripod

Potential Opportunities

- Suppressor Technology
- Body Armor Technology
- Shortwave Infrared Technology
- Digital Night Vision Goggles
- Future Propellant Technologies
- Future Uniform Fabric
- Small Arms Technology

ARMOR AND FIRE SUPPORT SYSTEMS (AFSS)



Armor and Fire Support Systems (PM AFSS) equips the operating forces with fire support systems, High Mobility Artillery Rocket Systems, Expeditionary Fire Support Systems and Tank Systems to accomplish their warfighting mission.



Product Managers:

PMM 114.1 Fire Support Systems PMM 114.2 Tank Systems

PMM-114, AFSS Major Efforts

Abrams Integrated Display and Targeting System (AIDATS) (FY15 EMD Contract Award)

► Improve tank Commander's situational awareness and targeting ability

Ammunition Data Link (ADL) (4th Quarter FY14 FRP Decision)

► Provides capability to program Multi-purpose High Explosive (MPHE) tank round

Abrams Suspension Upgrade (ASU) (Ongoing fielding)

Provides increased vehicle weight capacity to 78 tons

Firepower Enhancement Program (FEP) (FY14 Contract Award re-spin CCA)

Obsolescence mitigation for FEP Circuit Card Assemblies

Generation IV Ammunition Racks (Ongoing fielding)

► Safety modification to the M1A1 ammunition racks

Stabilized Commander's Weapon Station (SCWS) (FY15 Slue-to-Cue modification)

▶ Upgrade to SCWS slews M1A1 main gun to Commander's .50 cal. machine gun orientation

Marine Civil Information Management Systems (MARCIMS) (4th Qtr FY14 Fielding)

Provides automated CIM capability that supports Civil/Military Operations

Precision Extended Range Munition (FY15 solicitation)

► Guided 120mm mortar capability for M327 Rifle Towed Mortar (EFSS)

Light Weight Target Location, Designation, and Hand-Off System (FY16 solicitation)

► Replace current system with lighter H/W solution with digital fires mobile applications Remote Video Viewing Terminal (RVVT) (FY17 solicitation)

► UAV video viewing/exploitation capability

Common Laser Range Finder Extended Capability (R&D) (FY17 solicitation)

- ▶ Provide a target acquisition system that supports dismounted operations at extended ranges
- Dismounted Target Acquisition Designation Range Finder (D-TADR) (FY17 solicitation)
 - ► Combine the capabilities of the aging PLDR and TLSI

Marine Artillery Acoustic Sensor System (FY18 solicitation)

Replace the obsolete Ground Counter Fire Sensor

PMM-114, AFSS Potential Opportunities

- Precision Extended Range Munition (FY15)
- PdM Tank Systems Program Support (ACSS) (FY15)
- PdM Fire Support Systems Program Support (ACSS) (FY15)
- Light Weight Target Location, Designation, and Hand-Off System (FY16)
- ► Fire Power Enhancement Program (FEP) Upgrade (FY17)
- Remote Video Viewing Terminal (FY17)
- Common Laser Range Finder Extended Capability (FY17)
- Dismounted Target Acquisition Designation Range Finder (FY17)
- ► PdM Fire Support Systems Program Support (ACSS) (FY18)
- 120mm High Explosive Rifled Munition** (FY18)
- Marine Artillery Acoustic Sensor System (FY18)
- ▶ PdM Tank Systems Program Support (ACSS) (FY19)
- HIMARS Increased Mobility Platform (FY19)

COMBAT SUPPORT SYSTEMS (CSS)



Combat Support Systems provides the operating forces with superior total life cycle systems management of: Test, Measurement & Diagnostic Equipment; Expeditionary Power Systems; Engineer Systems; and Combat Support Equipment.

Product Managers:

PMM 115.1 Combat Support Equipment

PMM 115.2 Engineer Systems

PMM 115.3 Expeditionary Power Systems

PMM 115.4 Test, Measurement and Diagnostic Equipment

PMM-115, CSS Major Efforts

Hybrid Electric Power Systems (FY15 solicitation)

► Man-portable and trailer mounted systems

Small Unit Water Purification (FY15 /16 solicitation)

► Man-portable (<20 pounds)

On-Board Vehicle Power-Light (FY16 solicitation)

► Stationary: 5 kw, On-The-Move: 1.8 kw

Engine Dynamometer (future)

► EPA compliant, regenerative

Improved Solar Panels (continuous)

Increased efficiency, reduced transportation footprint

Improved Batteries (continuous)

Increased energy density, faster charge rate

Route Reconnaissance & Clearance (continuous)

► Lighter weight, Improved Probability of Detection, Increased Stand-off for Detection & Defeat

Hand-Held Mine Detector (continuous)

▶ Lighter weight, Improved Probability of Detection, Longer run time between charge, faster start-up

Class VIII Medical Modernization (continuous)

- ▶ OR / Forward Resuscitative Surgery System / Acute Care Ward; weight and cube reduction, reduced energy demand
- ► Longer shelf life (>5 years) for consumables

Hand Held Radio Test Set (continuous)

Increase upper limit of frequency range from 1 GHz to 2.7 GHz.

PMM-115, CSS Potential Opportunities

- Mobile Electric Hybrid Power System (FY15)
- Field Anesthesia System (FY15)
- Digital Radiography (FY15)
- General Purpose Automatic Test Systems (FY15)
- **▶** Diagnostic Instrument Controller Replacement (FY15)
- Vehicle Based, Automatic Test System (FY15)
- Small Unit Water Purification (FY15/16)
- Blood-borne Pathogen Test Kit (FY 16)
- Advanced Mobile Electric Power Distribution (FY16)
- Advanced Battery Charger (FY16)
- On Board Vehicle Power Inverter (FY16)
- Next Generation Heater (soft-walled shelters) (FY17)
- ► Infrascanner Cranial Pressure (FY17)
- Expandable Rigid Wall Shelter (FY18)
- Battery Storage, Containment, and Maintenance Shelter (FY19)
- Modernized Tray Ration Heater (FY19)

AMMUNITION (AMMO)



Provide ground conventional munitions acquisition, explosives safety management, and worldwide integrated logistics support to include: operational logistics, supply chain management, distribution management, depot-level and other sustainment maintenance management, strategic prepositioning capability in order to support the operating forces and other supported units to maximize readiness, and to support the Marine Corps end-to-end TLCM processes.

Directors:

PMM 116.1 Ammunition Programs and Budget Division

PMM 116.2 Inventory Management and Systems Division

PMM 116.3 Plans, Operations and Safety Division

Major Efforts

Expeditionary Fire Support System 120mm Mortar (FY15) Illumination Cartridge

▶ Procurement of Illumination rounds to support the 120mm M327 Rifled Mortar.

Expeditionary Fire Support System 120mm Mortar (FY17) White Phosphorus (WP) Cartridge

▶ Procurement of WP rounds to support the 120mm M327 Rifled Mortar.

Shoulder-Launched Multipurpose Assault Weapon (SMAW) (FY15)

► Procurement of ammunition to support the SMAW weapon system.

5.56mm Special Effects Small Arms Marking System (SESAMS)

Procurement of ammunition to support the 5.56mm SESAMS to support training using the M16 (variants), M4 and M249 weapons (2015).

Omega 36/60 Simulator Cartridges

▶ Procurement of ammunition to support the Battlefield Effects Simulator (2015).

Potential Opportunities

- ► 60mm Full Range Practice Cartridge (FY15-19)
- Expeditionary Fire Support System- 120mm White Phosphorus Cartridge (FY15-19)
- ► Shoulder-Launched Multipurpose Assault Weapon 83mm Rocket (FY15-18)
- Precision Guidance Kit (FY15-19)
- ► Non-Lethal Munitions Mission Payload Module (FY15-19)
- Anti-Personnel Obstacle Breaching System (FY18-19)
- ► 155mm High Explosive Projectile (FY15-19)
- 5.56mm Special Effects Small Arms Marking Systems (FY15-19)

LIGHT ARMORED VEHICLES (LAV)



The Program Manager for the Light Armored Vehicle (PM LAV), located in Warren, Mich., performs all acquisition functions for life cycle support to include program management, logistics, engineering, procurement, contracting, financial management, quality assurance and test and evaluation for the Light Armored Vehicle. Synergy and economy of scale are continually pursued between the Marine Corps and FMS programs throughout full life cycle support.

Product Managers:

PMM 117.1 LAV Anti-Tank Modernization Program

PMM 117.2 LAV Mobility and Obsolescence Program

PMM 117.3 LAV Fleet Sustainment/Product Support

PMM 117.4 LAV Foreign Military Sales Programs

Major Efforts

- LAV Anti-Tank Modernization (Current through FY20)
 - ► Replaces obsolete Emerson 901 turret
- LAV Mobility and Obsolescence (Current through FY24)
 - Addresses obsolesce and mobility issues with current fleet

Potential Opportunities

Vehicle Survivability (Seating)

TRAINING SYSTEMS (TRASYS)



The Program Manager for Training Systems (PM TRASYS), located in Orlando, Fla., improves the warfighting effectiveness of the Marine Air-Ground Task Force and globally deployed maritime expeditionary forces by providing training support and developing and sustaining training systems and devices. They are the training systems acquisition arm for the Marine Corps. The various training products they provide include simulators, mock weapons, range targets and range instrumentation. PM TRASYS also provides training technology research and development, distributed learning capabilities, training observation capabilities, after-action review systems, training personnel and combat environment role players.

Product Managers:

PMM 118.1 Collective Training Systems

PMM 118.2 Individual Training Systems

PMM 118.3 Range Training Systems

Major Efforts

Virtual Training Systems Support (VTSS) (FY15 Solicitation)

Contractor site support of virtual training systems including ISMT, ODS, IMTS and FCCT

Distance Learning (FY15 Solicitation)

▶ Provides contractor support services at Learning Resource Centers across the Marine Corps

Atmospherics (ATMOS) (FY15 Solicitation)

Provides set designs and area-specific cultural context for training ranges

Underwater Egress Trainer (FY15 Solicitation)

► Contractor support onsite for underwater egress training systems

Potential Opportunities

- Virtual Training Systems Support (FY15)
- Distance Learning (FY15)
- Atmospherics (FY15)
- Underwater Egress Trainer (FY15)

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Command Website

http://www.marcorsyscom.marines.mil/

